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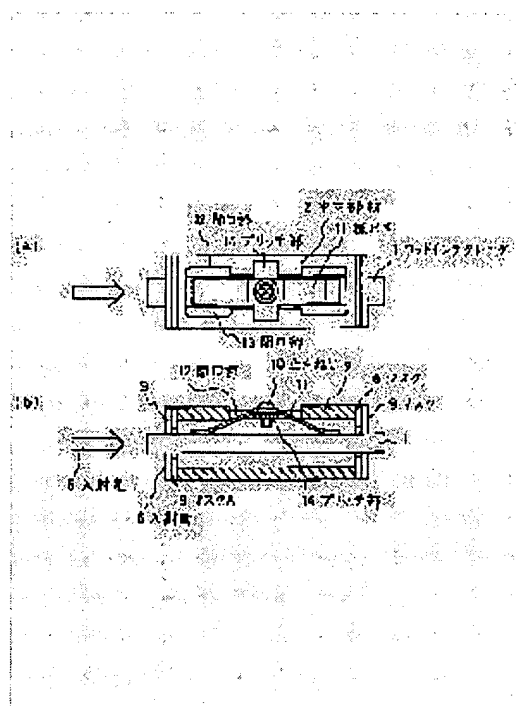
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(54) SUPPORTING MECHANISM FOR ROD INTEGRATOR

(57)Abstract:

PURPOSE: To provide a supporting mechanism for a rod integrator which does not have property fluctuation caused by heat.

CONSTITUTION: Aperture parts 12 and 13 are holed on the side surface of a hollow member 2, and a bridge 14 for screwing the screw 10 for fixing a leaf spring 11 is provided between the parts 12 and 13. Masks 8 and 9 are superposed and attached on both ends of the member 2. At least the incident surface 6 of the mask 9 is polished to be in the condition of a mirror surface or in the condition near to that. The materials of the masks 8 and 9 are the materials having high heat resistance. In the case of assembling, the masks 8 and 9 are fixed on both ends of the member 2, and the rod integrator 1 is inserted in the member 2. The leaf spring 11 is placed on the side surface of the rod integrator 1 from the parts 12 and 13 holed on the side surface of the member 2, and the leaf spring 11 is fixed on the bridge 14 by a set screw 10. The leaf spring 11 is elastically deformed to give pressing force to the side surface of the rod integrator 1. The shape of the leaf spring 11 is decided so as not to make the pressing force influence the optical property of the rod integrator 1.



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